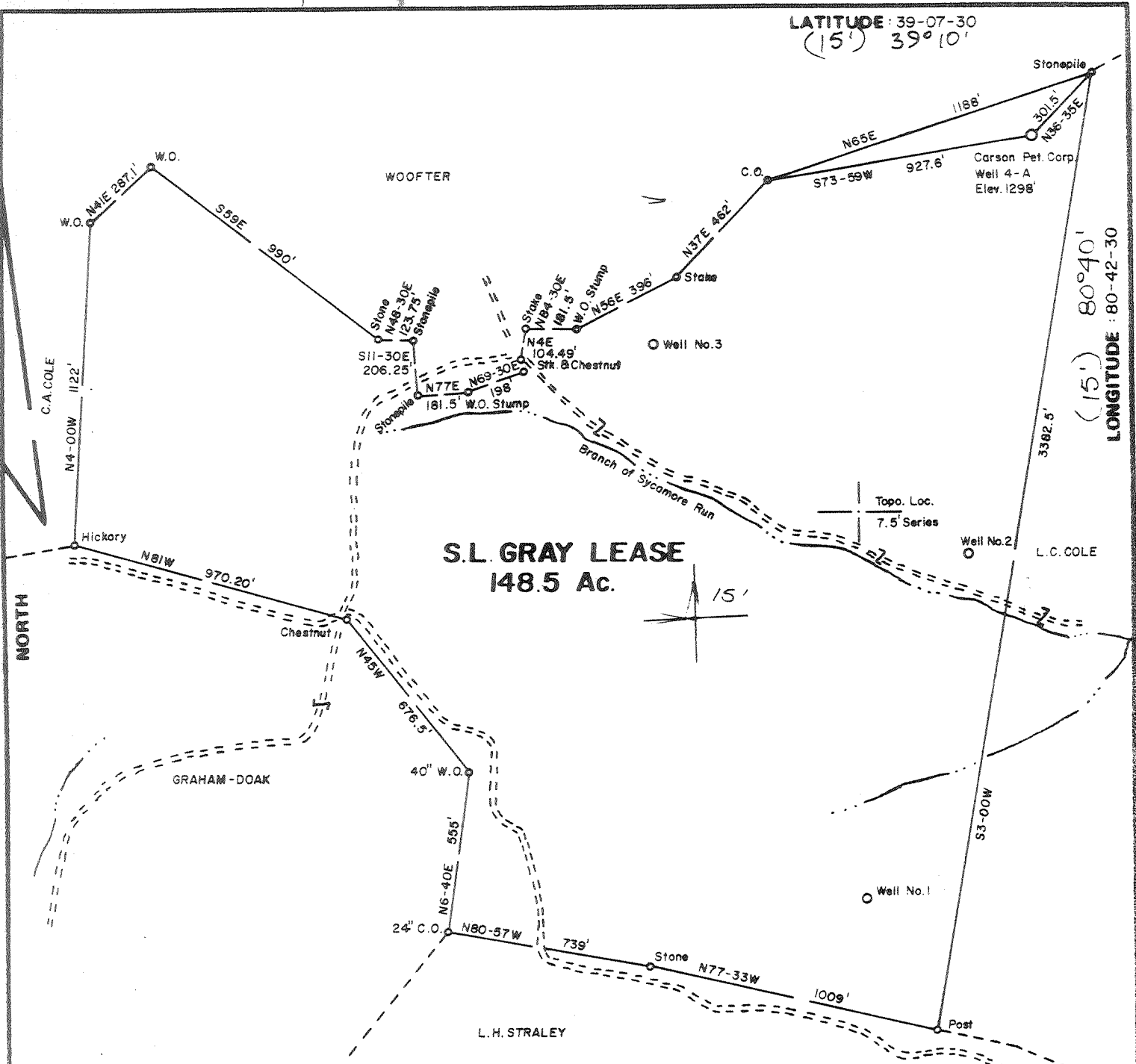


LATITUDE: 39-07-30
(15') 39° 10'



LONGITUDE: 80-42-30
(15') 80° 40'

S.L. GRAY LEASE 148.5 Ac.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM 1850' SW of Location, Elev. = 1030'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

Mark C. Echard
 (SIGNED) MARK C. ECHARD

R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-78)



DATE AUGUST 8, 1980
 OPERATOR'S WELL NO. FOUR-B
 API WELL NO. _____
47 - 017 - 2827
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 1298' WATER SHED SYCAMORE RUN
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE VADIS 7.5' & 15'

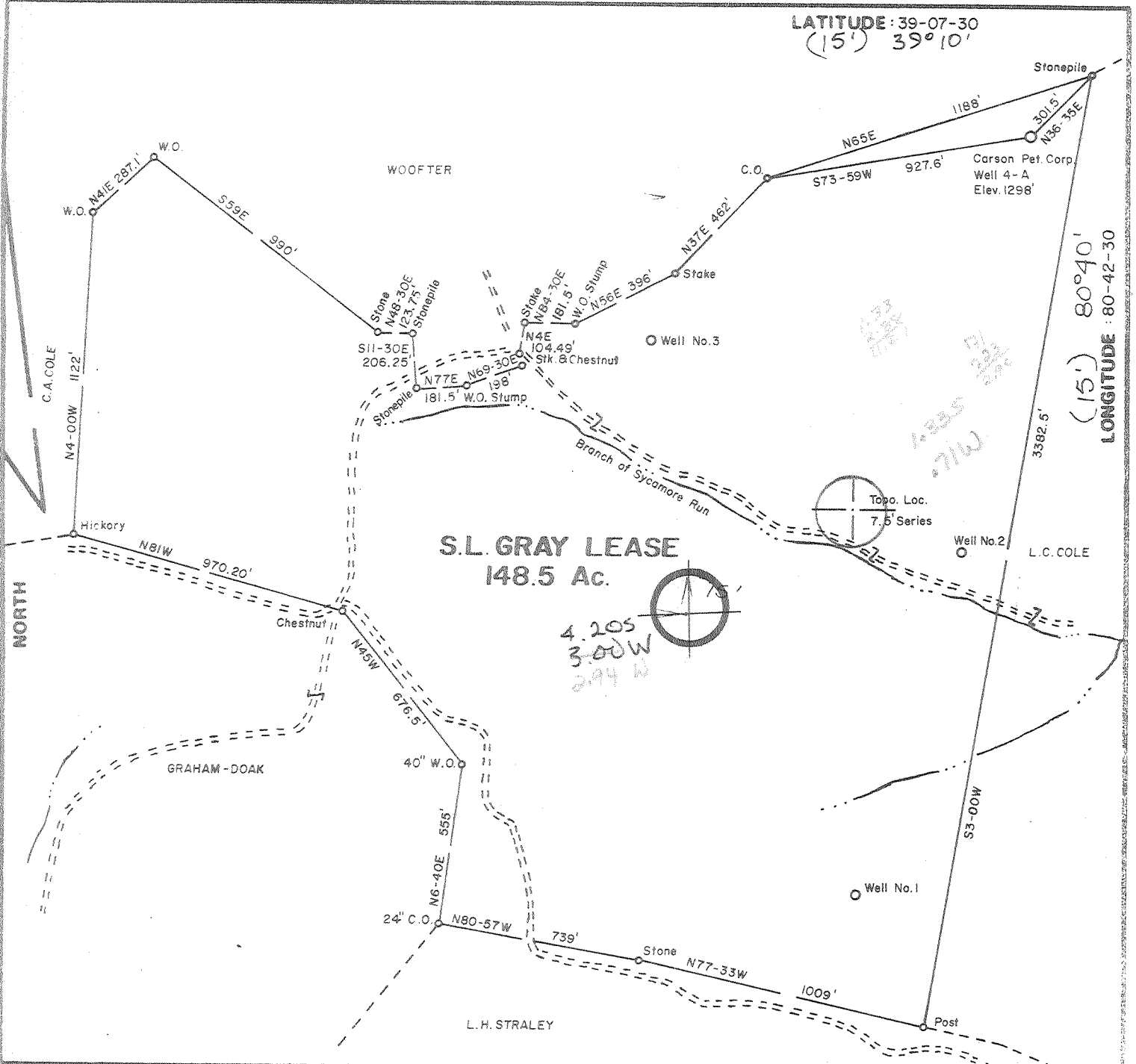
SURFACE OWNER HOWARD HINTERER New Milton, W.V. ACREAGE 148.5
 OIL & GAS ROYALTY OWNER HOWARD HINTERER, et al New Milton, W.V. LEASE ACREAGE 148.5
 LEASE NO. _____

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Injun ESTIMATED DEPTH 2500'±
 WELL OPERATOR CARSON PETROLEUM CORP. DESIGNATED AGENT MR. CLAY JOHNSON
 ADDRESS BOX 133 ADDRESS BOX 133
SAND FORK, W.V. 26430 SAND FORK, W.V. 26430

FEB 27 1984

LATITUDE: 39-07-30
(15') 39°10'



LONGITUDE: 80-42-30
(15') 80°40'

S.L. GRAY LEASE
148.5 Ac.

FILE NO _____
DRAWING NO. _____
SCALE 1 inch = 500 feet
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION U.S.G.S. BM 1850' SW of Location, Elev. = 1030'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
Mark C. Echard
(SIGNED) MARK C. ECHARD
R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE AUGUST 8, 1980
OPERATOR'S WELL NO. FOUR
API WELL NO. _____
47 - 017 - 2827
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1298' WATER SHED SYCAMORE RUN
DISTRICT COVE COUNTY DODDRIDGE
QUADRANGLE VADIS 75' & 15' WC
SURFACE OWNER HOWARD HINTERER New Milton, W.V. ACREAGE 148.5
OIL & GAS ROYALTY OWNER HOWARD HINTERER, et al New Milton, W.V. LEASE ACREAGE 148.5
LEASE NO. _____
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR CARSON PETROLEUM CORP DESIGNATED AGENT MR. CLAY JOHNSON
ADDRESS BOX 133 SAND FORK, W.V. 26430 ADDRESS BOX 133 SAND FORK, W.V. 26430

OCT 9 1980

COPY

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Gray #4B API Well No. 47 - 017 2827 State County Permit

WELL TYPE: Oil / Gas X / (If "Gas", Production X / Underground storage / Deep / Shallow X)

LOCATION: Elevation: 1298 Watershed: Sycamore Run District: New Milton County: Doddridge Quadrangle: New Milton

WELL OPERATOR Carson Petroleum Corporation Address P O Box 133 Sand Fork, WV 26430

DESIGNATED AGENT Clay Johnson Address P O Box 133 Sand Fork, WV 26430

MINERAL & GAS INTERESTS COAL & GAS LEASES COALYALTY OWNER Howard Hinterer, et al Address New Milton, WV

COAL OPERATOR N/A Address

ACREAGE Acreage 148.5

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Howard Hinterer Address New Milton, WV

Name N/A Address

ACREAGE Acreage 148.5

Name N/A Address

FIELD SALE (IF MADE) TO: Name N/A Address

COAL LESSEE WITH DECLARATION ON RECORD: Name N/A Address

MINERAL & GAS INSPECTOR TO BE NOTIFIED Name Paul Garrett Address Clarksburg, WV 26301 622-3871

RECEIVED SEP 16 1980

OIL & GAS DIVISION DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated October 5, 1977, to the undersigned well operator from Howard Hinterer et al

of said deed, lease, or other contract has been recorded: recorded on October 25, 1977, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 103 at page 97. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 15 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 345-3097

BLANKET BOND

Carson Petroleum Corporation Well Operator By Laura L. Cochran

COPY

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRIILLING CONTRACTOR (IF KNOWN) Union Drilling, Inc.

Address Drawer 40

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Injun

Estimated depth of completed well, 2500 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 125 feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No X /

DRILLING AND TUBING PROGRAM

DRILLING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Drill pipe								Kinds
Water	8 5/8					1100'	1100'	To surface
Intermediate								Sizes
Production	4 1/2						2500'	100 SRs or sufficient to seal producing formation
Perforations								Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is a part of the work for which a permit is sought and is included on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 5-17-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its

Survey